

FORM PTO-1390 (REV. 3-90)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEYS DOCKET NO. 15-535	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)					
INTERNATIONAL APPLICATION NO. PCT/US00/06848	INTERNATIONAL FILING DATE 15 March 2000 (15.03.00)		PRIORITY DATE CLAIMED		
TITLE OF INVENTION FLUID TREATMENT SYSTEM					
APPLICANT(S) FOR DO/EO/US Peter Halemba et al.					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items under 35 U.S.C. 371: 1. <input checked="" type="checkbox"/> This express request to immediately begin national examination procedures (35 U.S.C. 371(f)). 2. <input checked="" type="checkbox"/> The U.S. National Fee (35 U.S.C. 371(c)(1)) and other fees as follows:					
CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
	TOTAL CLAIMS	13 - 20 =	0	x \$18.00	= \$0
	INDEPENDENT CLAIMS	4 - 3 =	1	x \$84.00	= \$84.00
	MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+ \$270.00	
BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(4)): <input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)) \$710.00 <input type="checkbox"/> No International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1)) but International search fee paid to USPTO (37 CFR 1.492(a)(2)) \$740.00 <input type="checkbox"/> Neither International preliminary examination fee (37 CFR 1.492(a)(1)) nor International search fee (37 CFR 1.492(a)(2)) paid to USPTO - 1.492(a)(3)) \$1040.00 <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(4)) and all claims satisfied provision of PCT Article 33(2) to (4) 100.00 <input type="checkbox"/> International search fee prepared by EPO or JPO (37 CFR 1.492(a)(5)) \$890.00					
Surcharge of \$130.00 for furnishing the National fee or oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 mos. from the earliest claimed priority date (37 CFR 1.492(e)).					
			TOTAL OF ABOVE CALCULATIONS		= \$ 794.00
Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed also. (Note 37 CFR 1.9, 1.27, 1.28.)			\$ 497.00		
			SUBTOTAL		= \$ 497.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 mos. from the earliest claimed priority date (37 CFR 1.492(f)).					
			TOTAL NATIONAL FEE		\$ 497.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)) \$40.00			\$		
			TOTAL FEES ENCLOSED		\$ 497.00
a. <input checked="" type="checkbox"/> A check in the amount of <u>\$ 497.00</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0630.					

ATTORNEY'S DOCKET NUMBER
15-535

3. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. is not required, as the application was filed in the United States Receiving Office (RO/US).
 - c. has been transmitted by the International Bureau.
4. A translation of the International Application into English (35 U.S.C. 371(c)(2)).
5. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. have been transmitted by the International Bureau.
6. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
7. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) is enclosed.
8. A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Other document(s) or information included:

9. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

10. An assignment document for recording.

Please mail the recorded assignment document to:

- a. the person whose signature, name & address appears at the bottom of this page.
- b. the following:

11. The above checked items are being transmitted:

- a. before the 18th month publication.

- b. after publication and the Article 20 communication but before 20 months from the priority date.

- c. after 20 months but before 22 months (surcharge and/or processing fee included)

- d. after 22 months (surcharge and/or processing fee included)

Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 22 months and no proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.

- e. by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.

- f. after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date (surcharge and/or processing fee included.)

- g. after 32 months (surcharge and/or processing fee included).

Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 32 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.

12. At the time of transmittal, the time limit for amending claims under Article 19

- a. has expired

- b. has not yet expired.

13. Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on _____, namely:

14. Applicant is a small entity.

15. Enclosed is an Amendment Before Office Action.

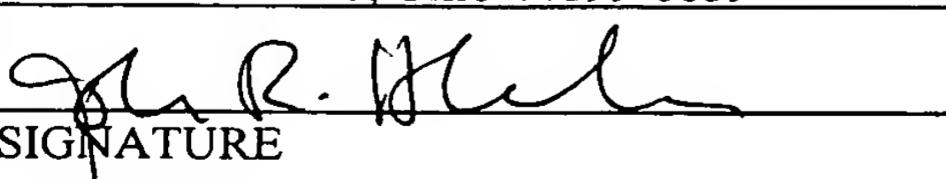
JOHN R. HLAVKA

NAME

WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A.

P.O. Box 99839

Cleveland, Ohio 44199-0839


SIGNATURE

29,076

REGISTRATION NO.

Refnel 198-6,0

10/009091

JC10 Recd PCT/PTO 06 DEC 2001

959-370 10	23-0630	ATTORNEY'S DOCKET NUMBER 15-535
<p>3. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). c. <input type="checkbox"/> has been transmitted by the International Bureau.</p> <p>4. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>5. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>6. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>7. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)) is enclosed.</p> <p>8. <input type="checkbox"/> A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Other document(s) or information included:</p> <p>9. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>10. <input type="checkbox"/> An assignment document for recording. Please mail the recorded assignment document to: a. <input type="checkbox"/> the person whose signature, name & address appears at the bottom of this page. b. <input type="checkbox"/> the following:</p> <p>11. The above checked items are being transmitted: a. <input type="checkbox"/> before the 18th month publication. b. <input type="checkbox"/> after publication and the Article 20 communication but before 20 months from the priority date. c. <input type="checkbox"/> after 20 months but before 22 months (surcharge and/or processing fee included) d. <input type="checkbox"/> after 22 months (surcharge and/or processing fee included) Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 22 months and no proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date. e. <input checked="" type="checkbox"/> by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. f. <input type="checkbox"/> after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date (surcharge and/or processing fee included.) g. <input type="checkbox"/> after 32 months (surcharge and/or processing fee included). Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 32 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.</p> <p>12. At the time of transmittal, the time limit for amending claims under Article 19 a. <input checked="" type="checkbox"/> has expired b. <input type="checkbox"/> has not yet expired.</p> <p>13. <input type="checkbox"/> Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on _____, namely:</p> <p>14. <input checked="" type="checkbox"/> Applicant is a small entity.</p> <p>15. <input type="checkbox"/> Enclosed is an Amendment Before Office Action.</p> <p>JOHN R. HLAVKA NAME WATTS, HOFFMANN, FISHER & HEINKE CO., L.P.A. P.O. Box 99839 Cleveland, Ohio 44199-0839 SIGNATURE 29,076 REGISTRATION NO.</p>		

TRANSMITTAL LETTER TO THE
UNITED STATES RECEIVING OFFICE

Date	06 December 2001
International Application No.	PCT/US00/06848
Attorney Docket No.	15-535

I. Certification under 37 CFR 1.10 (if applicable)

EI343129278US

06 December 2001

Express Mail mailing number

Date of Deposit

I hereby certify that the application/correspondence attached hereto is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Assistant Commissioner for Patents, Washington, D.C. 20231.

Victoria A Bonafeld

Victoria A Bonafeld

Signature of person mailing correspondence

Typed or printed name of person mailing correspondence

II. New International Application

TITLE

Earliest priority date
(Day/Month/Year)

SCREENING DISCLOSURE INFORMATION: In order to assist in screening the accompanying international application for purposes of determining whether a license for foreign transmittal should and could be granted and for other purposes, the following information is supplied. (Note: check as many boxes as apply):

- A. The invention disclosed was **not** made in the United States.
- B. There is no prior U.S. application relating to this invention.
- C. The following prior U.S. application(s) contain subject matter which is related to the invention disclosed in the attached international application. (NOTE: priority to these applications may or may not be claimed on form PCT/RO/101 (Request) and this listing does not constitute a claim for priority.)

application no.		filed on	
application no.		filed on	

- D. The present international application contains additional subject matter not found in the prior U.S. application(s) identified in paragraph C. above. The additional subject matter is found on pages _____ and **DOES NOT ALTER** **MIGHT BE CONSIDERED TO ALTER** the general nature of the invention in a manner which would require the U.S. application to have been made available for inspection by the appropriate defense agencies under 35 U.S.C. 181 and 37 CFR 5.1. See 37 CFR 5.15

III. A Response to an Invitation from the RO/US. The following document(s) is(are) enclosed:

- A. A Request for An Extension of Time to File a Response
- B. A Power of Attorney (General or Regular)
- C. Replacement pages:

pages		of the request (PCT/RO/101)	pages		of the figures
pages		of the description	pages		of the abstract
pages		of the claims			

- D. Submission of Priority Documents

Priority document		Priority document	
-------------------	--	-------------------	--

- E. Fees as specified on attached Fee Calculation sheet form PCT/RO/101 annex

IV. A Request for Rectification under PCT 91 A Petition A Sequence Listing DisketteV. Other (please specify):

Transmittal Letter to The United States Designated/Elected Office (DO/EO/US)

The person
signing this
form is the:

<input type="checkbox"/> Applicant	John R. Hlavka
<input checked="" type="checkbox"/> Attorney/Agent (Reg. No.)	Typed name of signer
29,076	
<input type="checkbox"/> Common Representative	Signature
	<i>John R. Hlavka, Jr.</i>